

The effect of ionizing radiation...

S/205/62/002/003/009/015
I015/I215

ASSOCIATION: Institut fiziologii im. akad. L. A. Orbeli AN ArmSSR Yerevan (Institute of Physiology
im. Academician L. A. Orbeli, AS ArSSR) Yerevan

SUBMITTED: September 13, 1960

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Card 1/2

27.1220

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S/205/62/002/003/009/015
1015/1215

AUTHOR: Demirchoglyan, G. G., Allakhverdyan, M. A., Melik-Mus'yan, A. B., Ogandzhanyan, V. G.,
Pogosyan, R. I., Lalayan, A. A., Vasilyan, V. V.

TITLE: The effect of ionizing radiation on the retina and some light-sensitive systems

PERIODICAL: Radiobiologiya, v. 2, no. 3, 1962, 442-449

TEXT: Unlike in other studies, the effect of small radiation doses (10-50r, 125-900r) was here investigated in both acute and chronic experiments (during 1 1/2 years). Electroretinography (ERG) was performed with contact-lens-electrodes; intraretinal potentials were recorded with microelectrodes; SH-groups in the retina were determined amperometrically; the absorption spectra of rhodopsin extracted from the retina were established and both morphological and histochemical analyses were carried out. The radiosensitivity of light-sensitive organs in worms, of the compound-eye in insects, and of eyes in vertebrates, were compared. Chronic irradiation with small doses brought about an abnormal functional condition of the retina, and this effect had cumulative characteristics. The light-sensitive (chromatophore reaction) system in the skin of the frog turned out to be non-radiosensitive within the limits of 50-5000r. The studies of O. D. Hug on the direct effect of radiostimulation on tissues are mentioned. The role of SH-groups, included in the proteins of rhodopsin, for the light-sensitivity of the retina is discussed. There are 5 figures.

Card 1/2

KAMINSKIY, L.; OGANDZHANYAN, S.

Production management by workers. Mest.prom.i khud.pronys. 3
no.7:10-11 J1 '62. (MIRA 15:8)

1. Nachal'nik otdela truda i zarabotnoy platy upravleniya bytovogo i kommunal'nogo obsluzhivaniya Ispolnitel'nogo komiteta Moskovskogo gorodskogo Soveta deputatov trudyashchikhsya (for Kaminskiy).
2. Predsedatel' komissii sodeystviya postoyanno deystvuyushchikh proizvodstvennykh soveshchaniy g. Yerevan (for Ogandzhanyan).
(Employees' representation in management)

MINZHOYAN, A.L.; PAPAYAN, G.L.; SAFRAZBEKYAN, R.R.; OGANDZHANYAN, N.M.;
PARSADANYAN, R.G.; SUKASYAN, R.S.

Relation between the pharmacological action and chemical structure in the series of some tropine esters. Izv. AN Arm. SSR.
Biol. nauki 15 no.12:3-14 D'62 (MIRA 17:8)

1. Sektor farmakologii i biokhimii zhivotnykh Instituta tenkoy organicheskoy khimii AN Armyanskoy SSR.

MDZHOYAN, A.L., akad.; PAPAYAN, G.L.; OGANDZHANYAN, N.M.

Research in the field of derivatives of substituted acetic acids. Report no.21: Some esters of tropine. Dokl.AN Arm.SSR 31 no.1:37-42 '60. (MIRA 13:9)

1. Institut tonkoy organicheskoy khimii Akademii nauk ArmSSR.
2. Akademiya nauk Armyanskoy SSR (for Mndzhoyan).
(Tropine)

MINDZHONYAN, A.L.; OGANDZHANYAN, N.M.

2,5-bis(dipropylaminomethyl)furan. Sint. geterotsikl. soed. no.3:
16-18 '58 (MIRA 13:3)
(Furan)

OGANDZHANYAN, N.M.

MNDZHOYAN, A.L.; GRIGORYAN, M.T.; BABIYAN, N.A.; OGANDZHANYAN, N.M.

5-diethylaminomethylfuryl-2-carbinol. Sint.geterotsikl.sced.
no.1:20-21 "56. (MIRA 10:11)

(Forfuryl alcohol)

MNDZHOYAN, A.L.; MNDZHOYAN, O.L.; OGANDZHANYAN, N.M.

Investigation in the field of derived 2-substituted acetic acid.
Dokl. AN Arm. SSR 20 no.5:181-184 '55. (MLRA 8:7)

1. Deystvitel'nyy chlen Akademii nauk Armyanskoy SSR. (for Mndzhoyan, A.L.)
2. laboratoriya farmatsevticheskoy khimii Akademii nauk Armyanskoy SSR.
(Acetic acid)

L 112h8-63

ACCESSION NR: AP3601072

hematosis inhibition the first few days of radiation sickness, but it does result in earlier regeneration of blood elements and restorative processes in the organism which are more intense than in the control group. Multiple doses aggravate the inhibiting action of ionizing radiation in hematosis and retard the onset of the restorative processes. Orig. art. has 2 tables.

ASSOCIATION: Sektor radiobiologii AN ArmSSR, Yerevan; 1-y Moskovskiy meditsinskiy institut im. I. M. Sechenova (Department of Radiobiology, AN ArmSSR; First Moscow Medical Institute)

SUBMITTED: 05Jun62

DATE ACQD: 01Jul63

ENCL: 00

SUB CITE: 00

NO REF SOV: 012

OTHER: 006

ch/wjw
Card 2/2

L 11218-63

ACCESSION NR: AP3001072

ZWT(1)/ZWT(M)/RDS--AFPTC/AMD/ASD--AR/K

8/0205/63/003/003/0441/0452

57
56

AUTHOR: Pureysvili, Ye. A.; Orandzhanyan, E. Ye.; Khvishia, Yu. B.

TITLE: Effect of various doses of synestrol on hematosis and survival of irradiated black mice of strain 0 sub 57

SOURCE: Radiobiologiya, v. 3, no. 3, 1963, 447-452

TOPIC TAGS: synestrol, hematosis, sex hormones, survival

ABSTRACT: The effects of estrogen (synestrol) were investigated as part of a larger study to determine the nature of blood system radiation injuries with administration of sex hormones. Experiments were conducted on sexually mature male and female mice. They were irradiated with a single total dose of 600 r by a RUM-3 and were divided into five groups for different synestrol dosages. Criteria indices were: 1) survival to the 28th day after irradiation, 2) weight change, 3) number of leukocytes and erythrocytes and percentage of hemoglobin. Results show that a single dose of 0.1 cc of a 2% oil solution of synestrol 7 days before irradiation has a beneficial effect on acute radiation sickness and increases survivability from 1.9 to 27.3%, but multiple doses do not have any positive effects. As for the peripheral blood, a preliminary single dose of synestrol does not prevent sharp

Card 1/2

OGANIZHANYAN, E. G., starshiy nauchnyy sotrudnik; AFANAS'YEV, Yu. I., dotsent

Some morphological and histochemical changes in the spleen of
irradiated animals. Vop. radiobiol. [AN Arm. SSR] 3/4:18/-195
'63. (MIRA 17:6)

TER-KARAPET'YAN, M.A.; OGANDZHANYAN, A.M.

Dynamics of carbohydrate and nitrogenous fractions in corn
ears in the process of their ripening. Blokhim. zer. 1
khlebopech. no. 7:63-72 '64. (MIRA 17:9)

1. Armyanskiy nauchno-issledovatel'skiy institut zhivotno-
vodstva i veterinarii, Yerevan.

OGANDZHANYAN, A.M.

Study of gamasid mites in Erivan and its environs. Izv. AN Arm.
SSR. Biol. nauki 14 no.6:61-65 '61. (MIRA 14:10)

1. Zoologicheskiy institut Akademii nauk Armyanskoy SSR.
(ERIVAN REGION--MITES)

OGANDZHANYAN, A.M.

Biology of *Hyalomma asiaticum caucasicum* B.Pom. in the
Armenian S.S.R. Zool.sbor. 11:145-190 '59. (MIRA 13:8)

(Armenia--Ticks)

OGANDZHANYAN, A.M.

Some data on the morphology and ecology of the tick *Ixodes eldaricus* Djap. (Ixodoidea). Izv.AN Arm.SSR.Biol.nauki 12 no.7:73-77 J1 '59. (MIRA 12:10)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR.
(TRANSCAUCASIA--TICKS)

OLINDZHENYAN, A. V.

"Life Cycle of *Nyalonema* sialicou: Discussion. B. Post, in the
Armenian SSR." *Card Biol Sci, Acad Sci Armenian SSR, Division of
Biological Sci Yerevan*, 1953. (REhBiol, No 1, Sep 54)

SO: Jan 432, 20 Mar 55

OGANDZHANYAN, A. M.

33090

O Nakhozhdenii Ixodes vesper Lillionis Koch, 1844 (Acarina Ixodidae) v Armyanskoy
Ssr. Doklady (Akad. Nauk Arm. Ssr) T. X, No 5, 1949, c. 219-21.--Rezyume Na Arm.
Yaz.--Bibliogr: 5 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

OGANDEHANYAN, A.M.

Occurrence of *Ixodes vespertilionis* Koch, 1844 (Acarina, Ixodidae)
in the Armenian S.S.R. Dokl. AN Arm. SSR 10 no.5:219-221 '49.
(MLRA 9:10)

1. Insitut fitopatologii i zoologii Akademii nauk Armyanskoy SSR,
Yerevan. Predstavleno V.O. Gulkanyanom.
(Parasites--Bats)

~~OGANDZHANYAN, A.M.~~

Biology of *Ehipicephalus turanicus* B.Pom. and *Rh. bursa* Can. et
Fanz. in the Armenian S.S.R. Izv.AN Arm.SSR.Biol.i sel'khoz.
nauki. 1 no.3:231-244 '48. (MLBA 9:8)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR.
(Armenia--Ticks)

OGANIZHANYAN, A.M.; MARTIROSYAN, B.A.

Occurrence of the tick *Haemaphysalis warburtoni* Nutt. (Acarina,
Ixodidae) in Armenia. Izv. AN Arm. SSR. Biol. nauki 18 no.4:69-
72 Ap '65. (MIRA 18:5)

1. Zoologicheskiy institut AN Armyanskoy SSR.

TER-KARAPETYAN, M.A.; OGANDZHANYAN, A.M.

Digestibility of proteins accompanying lignin in forage plants.

Izv. AN Arm.SSR. Biol.nauki 15 no.8:21-32 Ag '62.

(MIRA 16:2)

1. Institut zhivotnovodstva i veterinarii Ministerstva sel'skogo
khozyaystva Armyanskoy SSR.

(LIGNIN)

(PROTEINS)

TER-KARAPETIAN, M.A.; OGANDZHANYAN, A.M.

Determining the coefficient of digestibility for carbohydrate fractions and nitrogenous substances of feeds by the ligning ratio method. Izv. AN Arm.SSR. Biol.nauki 13 no.1:23-31 Ja '60. (MIRA 13:7)

1. Armyanskiy nauchno-issledovatel'skiy institut shivotno-vodstva i veterinarii.

(FEEDS--ANALYSIS)

TER-KARAPETIAN, M.A., akademik; OGANDZHANYAN, A.M., kand.biologicheskikh
nauk

Chemical transformations in using sulfites for preparing ensilage
from green plants. Trudy Arm. nauch.-issl. inst.zhiv. i vet. 4:
89-95 '60. (MIRA 15:5)

1. Akademiya nauk Armyanskoy SSR (for Ter-Karapetyan).
(Ensilage) (Sulfites)

Soluble Amino Acids and Proteins of the Contents
of Rumen and Abomasum in Ruminants

SOV/20-125-3-57/63

especially in polypeptides. Acid hydrolysis then cleaves the polypeptide chains into free amino acids. There are 2 figures, 3 tables, and 6 references, 2 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii
MSKh Armyanskoy SSR (Scientific Research Institute for Cattle-
Breeding and Veterinary Science of the MSKh of the
Armyanskaya SSR)

SUBMITTED: October 20, 1958

Card 4/4

Soluble Amino Acids and Proteins of the Contents
of Rumen and Abomasum in Ruminants

SOV/20-125-3-57/63

amino acids (after hydrolysis in a 20% HCl) Table 1 shows the analytical results of A. The analyses of B. may be seen from table 2 and figure 1. Analytical results of C. are shown in table 3 and figure 2. The results have shown that in the juices of rumen and abomasum content besides free amino acids also their condensation products (polypeptides or proteins) are contained. On chromatograms they appear only after an acid hydrolysis. The increase of free amino acids in the juice of the rumen content and their removal in the course of 24 hours makes it possible for the authors to set up the hypothesis on the basis of which the synthesis of polypeptide or even small protein molecules takes place in sheep rumen at the expense of free or easily cleavable amino acids of the fodder. The appearance of unclearly outlined spots in the juice of the abomasum content prior to hydrolysis may be explained on the basis of well-known principles concerning stomach digestion, based on the cleavage of proteins in low-molecular compounds,

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Soluble Amino Acids and Proteins of the Contents
of Rumen and Abomasum in Ruminants

SOV/20-125-3-57/63

and protein nitrogen between the liquid (stomach juice) and the solid part of the content of both the mentioned stomach parts in sheep. It further deals with the investigation of the primary transformations of the fodder compounds mentioned in the title at various times after feeding. Chronic fistulae served for removing the stomach content. This was done at 9.00 hours (on an empty stomach), the animal was then fed and further samples were taken at 12.00, 15.00 and 19.00 hours. Best lucernehay was administered in the amount of 1 kg every 24 hours, and as much water was given as the animal longed for. By supercentrifuging the samples a transparent juice without cellular structures was obtained and also a residue with infusoria and bacteria, which was treated with acetone and dried at 70°. The soluble substances mentioned in the title were extracted by salt solution (Ref 6). The following analyses were carried out: A. Determination of the dry substance, of the total and nonprotein nitrogen in the juice as well as in the solid component of the stomach content and in hay; B. the chromatographic identification of free amino acids in the juice of the stomach content and in hay (prior to hydrolysis), finally C. determination of the sum of the free and bound

Card 2/4

17(3)

AUTHORS:

Ter-Karapetyan, M. A., Academician AS
Armyanskaya SSR, Ogandzhanyan, A. M.

SOV/20-125-3-57/63

TITLE:

Soluble Amino Acids and Proteins of the Contents of Rumen and
Abomasum in Ruminants (Rastvorimyye aminokisloty i belki
soderzhimogo rubtsa i sychuga zhvachnykh zhivotnykh)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 666-669
(USSR)

ABSTRACT:

The transformation of food in the multilocular stomach of
ruminants is at the same time one of the most important and one
of the most unclear digestion stages (Refs 1-4). In recent
years evidence was supplied of free amino acids as well as of
the synthesis and decay of some of them in the rumen of goats,
cows, sheep, etc. (Refs 2, 5). However, the mechanism of bio-
chemical transformation of nitrogenous compounds has been
little clarified, with special respect to the components of
amino acids and their possibility of condensation in the
omasum and abomasum content, the biosynthetic stages of the
irreplaceable amino acids, etc (Refs 3, 4). The present paper
deals with the distribution of dry substances, of the total

Card 1/4

TER-KARAPETIAN, M.A., akademik; OGANDZHANYAN, A.M.

Readily soluble pentose oligosaccharides in plant tissues.
Dokl. AN Arm. SSR 26 no.5:281-284 '58. (MIRA 11:7)

1. Armyanskiy nauchno-issledovatel'skiy institut zhivotnovodstva
i veterinarii Ministerstva sel'skogo khozyaystva ArmSSR. 2. AN
ArmSSR (for Ter-Karapetyan)
(Pentoses) (Corn (Maize))

OGANDEZMANYAN, A.Y., Cand Bio Sci --(diss) "Study of the carbohydrate composition of plant materials and ^{for} ~~nutrients~~ by the method of fractional determination." Yerevan, 1957 30 pp (Min of Agriculture USSR, Yerevan Zoo-Vet Inst) 130 copies (VL, 24-50, 117)

USSR/Microbiology - General Microbiology

F-1

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81409

Author : Ter-karapetyan, M.A., Ogandzhanyan, A.M.,
Avakyan, Sh. A.

Inst : -

Title : Some Properties of Oxidative Decomposition and
Aerobic Assimilation of Acetic Acid by Yeasts.

Orig Pub: Dokl. AN ArmSSR, 1956, 23, No. 3, 125-132

Abstract: Candida cells cultivated on a medium with 1% xylose were transferred to a medium with acetic acid without preliminary adaptation. For 9-12 hours the investigated organism assimilates up to 96% of the acetic acid in the medium (initial concentration 0.8%) and synthesizes biomass to 43.4% of the assimilated acetic acid. The oxidative decomposition of acetic acid is

Card 1/2

OGANDZHANYAN, A.M.

TER-KARAPETYAN, M.A.; OGANDZHANYAN, A.M.

Composition of hemicellulose and cellulose fractions of
cottonseed coats. Dokl.AN Arm.SSR 22 no.5:209-213 '56. (MLRA 9:9)

1. Chlen-korrespondent AN Armyanskoy SSR (for Ter-Karapetyan)
2. Institut zhivotnovodstva Ministerstva sel'skogo khozyaystva
Armyanskoy SSR.
(Cellulose) (Cottonseed)

Ogandzhanyan, B. M.

Catalase activity of yeasts. M. A. Ter-Karapetian, A. M. Ogandzhanyan, and B. A. Akopyan. *Doklady Akad. Nauk S.S.S.R.*

Issled. Armeniya, S.S.S.R., No. 2, 43-5 (in Russian; Armenian summary 47) (1966).—A high order of catalase activity was found in a strain of *Trichosporon*; the activity declines somewhat in liquid, aerated medium, but in a liquid medium under completely anaerobic conditions the activity declines to zero or nearly to zero. *Saccharomyces cerevisiae* cultures show higher catalase activity in aerobic cultures in aer than they do in anaerobic cultures; anaerobic conditions reduce the catalase activity to zero or near it. The alteration of catalase activity by the degree of aeration is a reversible process. It is suggested that the results can be explained by an active and an inactive form of the enzyme. G. M. K.

TER-KARAPETIAN, M.A.; OGANDZHANYAN, A.M.

Directed formation of acetals in wine by means of thermal treatment. Zhur.
Priklad. Khim. 26, 233-5 '53. (MLRA 6:3)
(CA 47 no.21:11651 '53)

ILLEGIBLE

OGANDZHANYAN, A. M.

Ter-Karapetyan, M. A. and Ogandzhanyan, A. M. "The polysaccharide from Fasciola gigantica,"
Doklady (Akad. nauk Arm. SSR), Vol. X, No. 2, 1949, p. 81-85,
(Resume in Armenian), - Bibliog: p. 85.

SO: U-3736, 21 May 53 (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

~~OO ANOZHANOV~~ inzhener.

Instrument for the automatic determination of the setting time
of cement. TSement 23 no.2:28-29 Mr-Ap '57. (MIRA 10:7)

1. Amvrosiyevskiy tsementnyy zavod no. 1.
(Cement--Testing) (Measuring instruments)

OGANDZHEANOVA, S.S., inzhener; PETRENKO, A.M., inzhener.

Apparatus for making cement paste. TSement 22 no.2:31 Kr-Ap '56.
(MIRA 9:9)

1. Anvresiyevskiy tsementnyy kombinat.
(Cement--Testing)

SMERKHOV, M.M., inzhener; OGANDERANOVA, S.S., inzhener.

Quality of slag of a semi-dry granulation. TSement 20 no.3:27-28
My-Je '54. (MLBA 7:7)

1. Ambrosiyevskiy tsementnyy zavod.
(Slag cement)

OGANDEZHANOVA, S.S.; KENTSEL'SKAYA, Ye.A.; DENISOVA, A.T.

Method of controlling the composition of black powder raw material.
Tsement 19 no.6:25-26 N-D '53. (MLRA 6:12)

1. Ambrosiyevskiy tsementnyy zavod.

(Cement)

PENTJARV, August; OGA, A., red.; MULLARI, O., tekhn. red.

[Complex mechanization of the liming of acid soils]
Happeliste muldade lupjanise kompleksne mehhaniseeri-
mine. Tallinn, Eesti Riiklik Kirjastus, 1963. 37 p.
(MIRA 17:1)

(Liming of soils) (Farm mechanization)

NIZNANZKY, Fr.; OFUKANY, L.; KRCMEHY, Vl.

Preparation, biochemical properties and diagnostic value of various
Brucella allergens. Cesk. epidem. mikrob. imun. 7 no.5:321-325 Sept 58.

1. Statny vedecky veterinarny ustav v Bratislave.
(BRUCELLA,
allergens, prep., biochem. & diag. value (Cz))

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CZECHOSLOVAKIA/Microbiology - Sanitation Microbiology

F-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, 14772

Author : Nizhnanskiy, Ofukanyy

Inst : Not given

Title : Epizootological Significance of Ring Test on Milk Infection
by Brucellosis Produced in Dairy Farms.

Orig Pub : Veterin. casop., 1956, 5, No 4, 297-305

Abstract : No abstract.

Card 1/1

OF ROSIMOV, V.S.

GUREVICH, Ya.D.; SMIRNOV, A.S.; LIVSHITS, Z.I.; LOSEV, M.T.; BAIVANOVSKIY, S.A.;
UDYANSKIY, N.Ya.; MURAV'YEV, V.M.; AMIYAN, V.A.; LOZGACHEV, P.M.;
OTROSIMOV, V.S.; POPOV, S.S.; MATSKIN, L.A.; RATUSH, P.P.; PARFENOV,
Ye.I.; DUBROVINA, N.D., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Soviet petroleum industry] Neftianaya promyshlennost' SSSR.
Moskva, Gos.nauchno-tekhn.izd-vo nef. i gorno-toplivnoi lit-ry.
1958. 330 p. (MIRA 11:3)
(Petroleum industry)

OFNER, E., Dr.; SMOLCIC, Jv., dr.

Systematic bronchoscopy. Tuberkuloza, Beogr. 8 no.3-4:
231-234 May-Aug 56.

1. Iz Otorinolaringoloskog i Tuberkuloznog odjela Opce bolnice
u Sibeniku.

(BRONCHOSCOPY,
serial (Ser))

OFNER, E.;dr; SMOLCIC, Vj, dr.

The importance of pulmonary teams in our hospitals. Lijec.vjes.
76-no.9-10:568-570 1954.

1. Iz Tiberkuloznog i Otorinolaringoloskog odjela Opce bolnice u
Sibeniku.

(LUNGS, dis.

diag.,role of team work in hosp.(Ser))

(HOSPITALS,

team work in diag.,of lung dis.(Ser))

MIKHAYLOV, A. M.; OFMINIKH, I. P.

Founding

Easily separable risers with a chamotteclay separator plate. Lit. proiz., no 5, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

OPMANIS, Janis, kand.ekonom. nauk; RINKS, E., red.; MIRONOVS, A.,
teh. red.

[Business accounting in industry] Saimnieciskais aprekins
rumpnieciba. Riga, Latvijas Valsts izdevnieciba, 1961. 205 p.
(MIFA 15:3)

(Latvia--Industries) (Accounting)

ACC NR: AT6021044

functions f_i . Such information is called *natural information*. An n -universal automaton U_1 is constructed using certain information I_1 , in addition to the natural information, in parameters in n , N and T_1 and T_2 , the *tuning* and *delay* times respectively. Additional universal automata U_2 and U_3 are constructed using different parameters in the same variables. At the basis of the constructions is a one-dimensional complex constructed such that two ordered sets of n points make up the number of vertices in such a way that, for each permutation of the numbers $j_1, j_2, \dots, j_n$, one may find non-intersecting paths linking the first point of the exit set with the j_1 th point of the entrance set, the second with the j_2 th, etc. The problem is to find the complex with the smallest number of paths. The solution is proved. The statement of these problems and a number of basic ideas for this work belong to A. N. Kolmogorov. Orig. art. has: 32 formulas, 9 figures.

SUB CODE: 2D07 / 12 / SUBM DATE: none / ORIG REF: 002

Card 2/2 11b

ACC NR: ATE021044

SOURCE CODE: UR/2550/65/014/000/0186/0199

AUTHOR: Ofman, Yu. P.

ORG: none

TITLE: A universal automaton

SOURCE: Moskovskoye matematicheskoye obshchestvo. Trudy, v. 14, 1965, 186-199

TOPIC TAGS: automaton, entropy

ABSTRACT: An automaton is defined, independently of the concept of a discrete function, as consisting of N links, where link i may at any moment be in one of two states $Z_i(t) = 0$ or $Z_i(t) = 1$. With each link is associated a function of logical algebra in two variables f_i and two numbers r_i and s_i . The operation of the automaton proceeds according to the formula

$$Z_i(t+1) = f_i(Z_{r_i}(t), Z_{s_i}(t)).$$

A mapping of two automata, B and A , is defined. An automaton of N linkages is called n -universal if it may in one and the same linkage map any automaton of n links. Complete information about an automaton is given by the binary codes for r_i , s_i , and the

Card 1/2

L 33361-66

ACC NR: AP6008022

equal to two, and a multiplication factor equal to unity. Consequently, the present author confines himself to only such self-constructing automata. Orig. art. has: 1 figure.

SUB CODE: 09 / SUBM DATE: 08Jul65 / ORIG REF: 004

Card 2/2 BLS

L 33361-66 EWT(d)/T/EWP(1) IJP(c) BB/GG

ACC NR: AP6008022

SOURCE CODE: UR/0406/66/002/001/0068/0073

AUTHOR: Ofman, Yu. P.

ORG: None

TITLE: Simulation of a self-constructing system on an all-purpose automaton

SOURCE: Problemy peredachi informatsii, v. 2, no. 1, 1966, 68-73

TOPIC TAGS: computer simulation, self organizing system, automaton

ABSTRACT: Yu. P. Ofman (Universal'nyy avtomat. Tr. Mosk. matem. ob-va. M., Izd-vo Mosk. un-ta, 1965, 14, 186-199) described the design of an automaton which was universal for automata with fixed coupling and for logic networks. The present article described a complex design of such an automaton, which makes it possible to simulate more general types of automata, i.e., self-constructing automata. The statement of the problem solved in this paper is attributed to A. N. Kolmogorov. The automaton described consists (in order) of $n \log^2 n$ components, and is capable of simulating any self-constructing automaton as long as the automaton consists of no more than n components. Every logic network consisting of elements with p inputs and q states may be simulated by a logic network consisting of elements with two inputs and two states. Ya. M. Barzdin (Dokl. AN SSSR, 1964, 157, 2, 291-294; Dokl. AN SSSR, 1964, 157, 3, 542-545) obtained an analogous result for self-constructing systems. Barzdin proved that every self-constructing automaton may be simulated by a self-constructing automaton the units (all identical) of which have four outputs, two states, a pulsation depth

Card 1/2

OFMAN, Yu.

Approximate realization of continuous functions by automatic machines. Dokl. AN SSSR 152 no.4:823-826 O '63. (MIRA 16:11)

1. Predstavleno akademikom A.N. Kolmogorovym.

16.000

S/020/62/145/002/006/018
B112/B180

AUTHORS: Karatsuba, A., and Ofman, Yu.

TITLE: Multiplication of multi-digit numbers by automatic computers

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 2, 1962, 293-294

TEXT: The function $y = d_5(x)$ describes the multiplication of two m -digit numbers. Its realization by dual automata is investigated. The following two theorems are derived: 1 (Ofman). For any s , $1 \leq s \leq m$, the function d_5 can be realized by dual automata with the characteristics $N \asymp m^{2/3}$, $T \asymp s \log_2 m$ ($m \rightarrow \infty$). 2 (Karatsuba). The function d_5 can be realized by dual automata with the characteristics $N \asymp m^{\log_2 3}$, $T \asymp \log^2 m$. 16

PRESENTED: February 13, 1962, by A. N. Kolmogorov, Academician

SUBMITTED: February 9, 1962

Card 1/1

S/020/62/145/001/004/018
B112/B104

6.600
P.5100
AUTHOR:

Ofman, Yu.

TITLE: The algorithmical complicity of discrete functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 1, 1962, 48 - 51

TEXT: The set of all the sequences $x = (x_1, x_2, \dots, x_n)$, where $x_1, x_2, \dots, x_p \in D_p = \{1, 2, \dots, p\}$, is denoted by D_p^n . Mappings of D^k into D^n by discrete functions $y = d(x)$ are considered. The realization of these functions by binary automata is investigated. Such an automaton consists of $N \gg k + n$ elements. Each element is connected with a function f_i mapping D^2 into D and with two numbers r_i and s_i ($1 \leq r_i \leq N$, $1 \leq s_i \leq N$). The states $Z_i(t)$ ($t = 1, 2, \dots$) of the automaton fulfil the relations $Z_i(t+1) = f_i(Z_{r_i}(t), Z_{s_i}(t))$. Some estimates of the "complicity" N are derived. There are 3 figures and 1 table.

Card 1/2

KOLMOGOROV, A. N. and OFMAN, Yu. P.

"On problem solution by automata consisting of simple elements"

report submitted for the Intl. Symposium on Relay Systems and Finite Automata Theory (IFAC), Moscow, 24 Sep-2 Oct 1962.

22854

On the best approximation of functions... S/038/61/025/002/002/002
C111/C222

Theorem 4: Let Φ be an n -dimensional cube in the space $x_1, \dots, x_n$ the edges of which are parallel to the axes. On Φ let be given the continuous function $f(x_1, \dots, x_n)$. Then in the class $\{\varphi_1(x_1) + \dots + \varphi_n(x_n)\}$ for it there exists a best approximation $\varphi_1^*(x_1) + \dots + \varphi_n^*(x_n)$ so that $\varphi_1^*, \dots, \varphi_n^*$ have a modulus of continuity which is not bader than the modulus of continuity of $f(x_1, \dots, x_n)$.

The author mentions V.I.Arnol'd, I.P.Natanson and A.N.Kolmogorov.
There are 8 figures.

SUBMITTED: July 16, 1959

Card 5/5

22854

On the best approximation of functions... S/038/61/025/002/002/002
C111/G222

$$r_{H_\Phi}[f] = \frac{|f(P_1) - f(P_2) + \dots - f(P_{2n})|}{2n}$$

is adjoined. Then $\sup_{H_\Phi} \{r_{H_\Phi}[f]\} = E_f$.

Theorem 2: It holds $d_0^1[f] = d_0^2[f] = 2E_f$.

Theorem 3: Let the function $f(x,y)$ satisfy the Lipschitz condition and let it be defined on a set Φ containing a cross. Then in the class $\{\varphi(x) + \psi(y)\}$ there exists a function $\varphi^*(x) + \psi^*(y)$ so that

1) $\rho[f(x,y), \varphi^*(x) + \psi^*(y)] = E_f$.

2) $\varphi^*(x)$ and $\psi^*(y)$ satisfy the Lipschitz condition with the same constant L as $f(x,y)$.

Lemma 1: If Φ contains a cross then there exists a countable set $M \subseteq \Phi$ dense in Φ having a cross too, and for the reversion function f_M there

exists a best approximation in the class $\{\varphi(x) + \psi(y)\}$.

By a generalization of the introduced notions the theorems 2 and 3 are extended to the n -dimensional case, e.g.

Generalized theorem 2: It holds $2E_f = d_0^1[f] = \dots = d_0^n[f]$.

Card 4/5

22854

On the best approximation of functions... S/038/61/025/002/002/002
C111/C222

functions of the second family is defined analogously. The upper limits of these distances are called the diameters of the first or second family, in symbols: $d^1[f]$ or $d^2[f]$. Adding a constant to every function of a family independent from the other functions then one obtains a new family which is said to be equivalent to the old one. The lower limit of the diameters of equivalent families is called the real diameter, in symbols: $d^1_0[f]$ and $d^2_0[f]$. The set $A_{x_0} \cup B_{y_0} \subseteq \Phi$ where the projections

of A_{x_0} and B_{y_0} onto the axes are identical with the projections of Φ

onto the axes is called the cross of Φ . A finite polygon $P_1 P_2 \dots P_n$

$(P_1, P_2, \dots, P_n \in \Phi)$ is called the lightning of Φ if all its terms are

parallel either to the x-axis or to the y-axis, and two joined terms are perpendicular to each other.

Theorem 1 (proved in 1956 by S. Smelyak): On the rectangle Φ the sides of which are parallel to the coordinate axes let be given a continuous function $f(x, y)$. To every closed lightning $H_\Phi = \{P_1 \dots P_{2n}\}$ of Φ the number

Card 3/5

22854

On the best approximation of functions... S/038/61/025/002/002/002
C111/C222

$f(x_1, x_2, \dots, x_n)$ is approximated by functions $\varphi_1(x_1) + \dots + \varphi_n(x_n)$.
A function f_{ϕ_1} defined on ϕ_1 and there agreeing with $f(x, y)$ is called
a subfunction of $f(x, y)$ corresponding to the subset $\phi_1 \subseteq \phi$. Let A_{x_0}
(resp. B_{y_0}) be the intersection of ϕ with the straight lines $x = x_0$
(resp. $y = y_0$). Let A'_x (resp. B'_y) be the projection of A_x (resp. B_y) onto
the y (resp. x)-axis. Let $f_{A'_x}(y) = f_{A_x}(x, y)$ and $f_{B'_y}(x) = f_{B_y}(x, y)$. The
sets of functions $\{f_{A'_x}(y)\}$ and $\{f_{B'_y}(x)\}$ are called the first and second
family of functions of $f(x, y)$. The distance between two functions of a
family is defined by

$$\mathcal{S} [f_{A'_x_1}(y), f_{A'_x_2}(y)] = \sup_{y \in A'_{x_1} \cap A'_{x_2}} |f_{A'_x_1}(y) - f_{A'_x_2}(y)|,$$

where in the case $A'_{x_1} \cap A'_{x_2} = \emptyset$ it holds $\mathcal{S} = 0$. The distance for the
Card 2/5

22854

S/038/61/025/002/002/002
C111/C222

16.4100

AUTHOR: Ofman, Yu.P.

TITLE: On the best approximation of functions of two variables by functions of the type $\varphi(x) + \psi(y)$

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya matematicheskaya, v.25, no.2, 1961, 239-252

TEXT: On the subset Φ of the x, y -plane let be given a bounded function $f(x, y) = f(P)$. The author considers the class of all functions $\varphi(x) + \psi(y)$, where $\varphi(x)$ and $\psi(y)$ are defined on the projections of Φ onto the x and y -axis, respectively. Let the distance between $f(P)$ and $g(P)$ be defined by $\rho(f, g) = \sup_{P \in \Phi} |f(P) - g(P)|$. Let E_f be the lower bound of the

distances between $f(x, y)$ and the functions of the class $\varphi(x) + \psi(y)$. Under the assumption that $f(x, y)$ satisfies the Lipschitz condition, the author gives conditions which must be satisfied by the region of definition of $f(x, y)$ in order that there exists a function $\varphi(x) + \psi(y)$ which approximates $f(x, y)$ best and which satisfies a Lipschitz condition with the same constant as $f(x, y)$. The author proposes methods for the determination of E_f . All results are generalized to the case where

Card 1/5

MIKHAYLOV, G.N., inzh.; OFMAN, A.Ya., inzh.

Safe operation of cranes in hot shops. Bezop.truda v prom. 2 no.9:25
S '58. (MIRA 11:9)

1. Upravleniye Chelyabinskogo okruga Gosgortekhnadzora RSFSR.
(Cranes, derricks, etc.)

MIKHAYLOV, G.N., inzh.; OFMAN, A.Ya., inzh.

Improve the use of load-lifting mechanism. Bezop. truda v prom. 2
no. 6:11-12 Je '58. (MIRA 11:7)

1. Upravleniye Chelyabinskogo okruga Gosgortekhnadzora RSFSR,
(Cranes, derricks, etc.--Attachments)

OFITSEKOVA, Mariya Ivanovna; NIKOL'SKIY, N.K., red.; USTIYANTS,
V.A., red.; KAPRALOVA, A.A., tekhn.red.

[Accounting on state farms] Bukhgalterskii uchet v sovkhosakh.
Moskva, Gos.stat.izd-vo, 1958. 175 p. (MIRA 12:8)
(State farms--Accounting)

KHOKHLOV, Kuz'ma Terent'yevich; OFITSEROVA, Mariya Ivanovna, kand.ekon.
nauk, dots.; ISAYEV, N.I., retsenzent; OCHNEV, F.P., red.;
NIKOLAYEVA, I.I., red.izd-vs; BACHURINA, A.M., tekh.red.

[Accounting and balance analysis in the Division of Workers'
Supply] Bukhgalterekii uchet i analiz balansa otdela rabochego
snabzheniia. Moskva, Goslesbumizdat, 1957. 230 p. (MIRA 11:5)
(Accounting)

1. OFITSEROV, YA.
2. USSR (600)
4. Mining Engineering - Study and Teaching
7. Miners are mastering technical knowledge. Mast. ugl. 1. no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

OFITSEROV, V.Ya., inzh.; LIZUNOV, K.D., inzh.

Remote control of the position of a cutter-loader in an automated stoping system. Ugol' 40 no.12:45-48 D '65.

1. Podmoskovnyy nauchno-issledovatel'skiy ugol'nyy institut. (MIRA 18:12)

OFITSEROV, V.Ya., inzh.; SENCHUK, B.M., inzh.

Automation of main water discharge systems. Prom. energ. 19
no.1:17-18 Ja '64. (MIRA 17:2)

OFITSEROV, V.V.

The next technological problems in the field of inorganic chemistry for the fifth five-year plan. Khim.prom. no.1:1-7
Ja-F '54. (MLRA 7:4)

1. Nachal'nik Tekhnicheskogo upravleniya MKhP.
(Fertilizer industry)

OFITSEROV, V. V.

Recovery of Sodium Carbonate from Alkali Fusions of Naphthalenesulfonic Acid. I. S. Khaikin, A. I. Okorokov, V. V. Ofitsеров and I. D. Tureyev. Russ. 55,834, Oct. 31, 1939.

The melt is dissolved in water, filtered and the filtrate treated with CO_2 to ppt. Na_2CO_3

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
OFITSEROV, V.V.																			
PROCESSES AND PROPERTIES INDEX																			
<i>Exhaustive sulfonation of 2-naphthylamine. I. V. V. Ofitsev. <i>Antibioticheskaya Prom.</i> 4, 491-7 (1934). - A preliminary study of the exhaustive sulfonation of 2-naphthylamine is confined to the determination of the best conditions in the final phase (3rd) of sulfonation for a complete conversion of 2,6,7- and 2,1,5-H₃NC₁₀H₇(SO₃H)₃ in the reaction mixt. into 2,1,5,7-tetrakisulfonated 2-naphthylamine to obtain amino-G acid (I) free from amino-I acid (II). The optimum conditions for the final sulfonation are at 65° for 15 hrs. with 12% of free SO₃. With a higher content of SO₃ the time of sulfonation may be reduced to 9 hrs. The yields are 40.5% I and 10.5% II. A deviation from this method results in the contamination of I with amorphous II and considerable difficulties in filtration. The procedure gave good results in comm. production.</i> Chas. Blanc																			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									

MECHANIZATION OF THE PROCESS OF...
Bun.prom. 36 no.4:22 Ap '61.

(MIRA 14:5)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektokonstruktorskiy institut po proyektirovaniyu oborudovaniya dlya tsellyulozno-bumazhnoy promyshlennosti.
(Paper industry--Equipment and supplies)

OFITSEROV, V., podpolkovnik

Development of tactical thinking. Voenn. vest. no. 9:54-58 S '60.
(Tactics) (MIRA 14:7)

OFITSEROV V.

VOLKOV, V., polkovnik; DANIL'CHENKO, G., podpolkovnik; OFITSEROV, V.,
mayor.

Company tactical training and drill exercises; from practice.
Voen.vest. 36 no.11:22-26 N '56. (MLRA 10:2)

(Infantry drill and tactics)

SKOPICH, V., podpolkovnik; VASIL'YEV, N., podpolkovnik; OFITSEROV, V., mayer.

Method of tactical drill with elements of group exercises in training
cadets. Voen.vest. 36 no.9:12-15 8 '56. (MIRA 9:10)
(Military education)

L 24358-66

ACC NR: AT6006422

It is established experimentally that $A = 1.85$ and $n = 3$. It is shown theoretically that in order to obtain reliable results in the measurement of the $d_{\max}$ with an accuracy of $\pm 10\%$ it is necessary to make no more than 32 measurements. A practically satisfactory result is obtained with considerably fewer measurements. Orig. art has: 5 figures and 8 formulas.

SUB CODE 20, 21 / SUBM DATE: none / ORIG REF: 000

Card 2/2 *las*

L 24358-66 EWT(m)/ENP(J)/T/ETC(m)-6 DS/WW/JW/RM

ACC NR: AT6006422

SOURCE CODE: UR/3149/65/000/002/0043/0049

AUTHOR: Ofitserov, S. I.

ORG: None

TITLE: Evaluation of the degree of dispersion of an atomized fluid ||

SOURCE: Alma-Ata. Kazakhskiy nauchno-issledovatel'skiy institut energetiki. Problemy teploenergetiki i prikladnoy teplofiziki, no. 2, 1965, 43-49

TOPIC TAGS: liquid fuel, atomization, droplet atomization

ABSTRACT: The nozzle atomization of fluid is extensively used for the combustion of liquid fuel. The present author offers a method of evaluation of the degree of atomization, based on the measurement of the size of the largest drop, and evaluates the possible errors. It is found that the degree of atomization with a sufficient accuracy for most practical applications may be evaluated by the largest drop, a procedure which considerably reduces the time spent for the evaluation. The distribution of fluid by drop size may be described by the equation

$$R_i = e^{-\left(\lambda \frac{d_i}{d_{max}}\right)^n}$$

Card 1/2

OFITSEROV, Leonid Fedorovich; KURANOV, I.N., inzh., nauchnyy red.

[Single-pipe hot-water heating systems; vertical with directly coupled sections] Odnorubnye sistemy vodianogo otopeniia; vertikal'nye s priamymi zamykaiushchimi uchastkami. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 160 p. (MIRA 14:4)

(Hot-water heating)

OFITSEROV, L. B.

Calculating single-pipe hot water heating systems with straight
closing sections. Vod. i san. tekhn. no. 4:26-30 Apr '58. (MIRA 11:4)
(Hot-water heating)

OFITSEROV, L.F.

The flow coefficients of single-pipe heating systems with direct closing parts. Vod.i san.tekh. no.8:21-25 Ag '57. (MIRA 10:11)
(Hot-water heating)

OFITSEROV, I. YE.

Subject : USSR/Electricity AID P - 719
Card 1/1 Pub. 29 - 12/26
Author : Ofitserov, I. Ye., Technician
Title : Unsatisfactory performance of the armature of a E-51
type exciter
Periodical : Energetik, 9, 18, S 1954
Abstract : The author briefly describes a case in which the cause
of the deficiency was found to be in the lack of
balancing of the exciter armature.
Institution:: None
Submitted : No date

L 20415-66

ACC NR: AP6009903

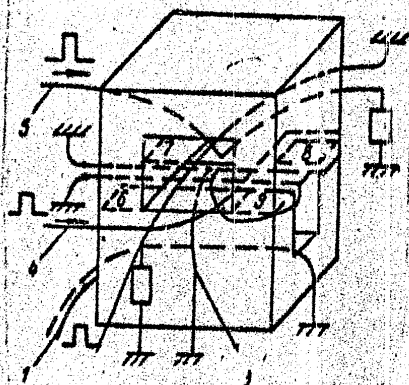


Fig. 1. Biax element

1 - Gate winding; 2, 3 - output windings; 4, 5 - diagonal input windings; 6-9 - platforms.

SUB CODE: 09/ SUBM DATE: 15Jan64/ ATD PRESS: 4222

Card

2/2

BK

L 20415-66 EWT(d)/EWP(1) IJP(s) EB/00

ACC NR: AP6009903

SOURCE CODE: UR/0413/66/000/004/0104/0104

AUTHOR: Kuznetsov, V. I.; Ofitserov, G. M.

ORG: none

TITLE: Biax magnetic logical element^{16c} Class 42, No. 179088

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 104

TOPIC TAGS: logic element, computer circuit, computer storage, magnetic core storage, biax

ABSTRACT: The proposed biax magnetic logical element (see figure) carries two input windings, output windings, and a gate winding. To perform INHIBIT and EXCLUSIVE OR operations, the input windings are placed in both windows of the biax — in the same direction in one window and in opposite directions in the other. Orig. art. has: 1 figure.

[DW]

Card 1/2

UDC: 681.142

TECHNITSKIY, D.I., inzh.; OPITSEROV, D.M., inzh.

Modernized GRK-10 acetylene generator. Svar.proizv. no.12:39-40
D '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennogo
mashinostroyeniya.

L 7894-66 EWT(m)/EPF(y)/EWP(j)/EWA(c) RM

ACC NR: AP5024966

SOURCE CODE: UR/0286/65/000/016/0030/0030

AUTHORS: Shashkov, A. N.; Tesmenitskiy, D. I.; Ofitserov, D. M.; Zakharova, N. I.

ORG: none

TITLE: Method for obtaining acetylene. Class 12, No. 173748 /announced by All-Union Scientific Research Institute for Autogenous Machine Building (Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy mashinostroyeniya)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 30

TOPIC TAGS: acetylene, calcium carbide, isocetyl alcohol, kerosene

ABSTRACT: This Author Certificate presents a method for obtaining acetylene in high pressure gas generators by interacting calcium carbide with hot water. To prevent explosion hazards, the reaction is carried out at temperatures not exceeding 400 in an inert medium such as kerosene. Antifoaming agents such as isocetyl alcohol are added to the inert medium.

SUB CODE: 07/ SUBM DATE: 16Oct64

rw
Card 1/1

UDC: 662.766.3

2

KOVAL'SKIY, Veniamin Aronovich; OFITSEV, Dmitriy Maksimovich;
SHELECHNIK, Meisey Markovich; MOZRETSOV, A.M., red.

[Design and operation of equipment for the production
of acetylene] Ustroistvo i ekspluatatsiya oborudovaniia
dlia polucheniia atsetilona. Moskva, Vysshaya shkola.
1966. 187 p.
(MIRA 18:8)

ТИШЕВ И.И., инж.; ОПИСЕРОВ, Д.М., инж.

auxiliary low-pressure GMD-40-61 acetylene generator. Svar.
proizv. no.3:27-29 Kr '64. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy
obrabotki metallov.

KOVAL'SKIY, V.A.; OPITSEROV, D.M.; SHASHKOV, A.N., kand. tekhn.
nauk, red.

[Handbook on portable acetylene generators] Rukovodstvo
po perenosnym atsetilenovym generatoram. Moskva, Mashgiz,
1963. 114 p. (Bibliotekha avtogenshchika, no.10)
(MIRA 17:4)

TESMENITSKIY, D.I., inzh.; OFITSEROV, D.M., inzh.

Portable acetylene generator, AND-1-61. Svar, proizv. no.8:
36-37 Ag '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy
obrabotki metallov.

TESMENITSKIY, D.I., inzh.; OFITSEROV, D.M., inzh.

Increasing the output of acetylene distribution systems. Svar.
proizv. no.1:30-32 Ja '63. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy
obrabotki metallov.
(Gas welding and cutting--Equipment and supplies)

ASINOVSKAYA, Gnesya Abramovna; ZELIKOVSKAYA, Nataliya Mikhaylovna;
KOROVIN, Andrey Ivanovich; KRAVETSKIY, G.A.; NEMKOVSKIY,
I.A.; OFITSEROV, D.M.; TESMENITSKIY, D.I.; FISHKIS, M.M.;
SHAPIRO, I.S.; GLIZMANENKO, D.L., kand. tekhn. nauk, red.;
KLIMOVICH, Yu.G., red.; DORODNOVA, L.A., tekhn. red.

[Flame metalworking processes] Gazoplamennaya obrabotka metal-
lov. [By] G.A.Asinovskaya i dr. Moskva, Proftekhizdat, 1962.
556 p. (MIRA 16:3)
(Gas welding and cutting) (Flame hardening) (Metal spraying)

OFITSEROV, D.M.

The UPM-1-58 unit for producing gas by electric pyrolysis.

Biul.tekh.-ekon.inform. no.3:7-9 '60.

(MIRA 13:6)

(Pyrolysis--Equipment and supplies)

(Petroleum products)

DOBRODEYEV, A. N.; OFITSEROV, B. S.; KALININ, Yu. V.; NADYRSHIN, R. I.

Problems of the technology of manufacturing keramsit concrete
slabs in the Uzbek S.S.R. Sbor. nauch. trud. NII po stroi.,
ASIA no.2:36-44 '61. (MIRA 16:1)

(Uzbekistan—Keramsit)
(Lightweight concrete)

OFITSEROV, A.S., doktor tekhn. nauk

Wave damping on the surface of liquids. Trudy Gidrav. lab,
VODGEO no.10:83-158 '63. (MIRA 17:8)

OFITSEROV, A.S., doktor tekhn. nauk

Materials on the characteristic interaction of waves with
sloping walls. Trudy Gidrav. lab. VODGEO no.10:5-37 '63.
(MIRA 17:8)

OFITSEROV, A.S., doktor tekhn.nauk

Laboratory hydraulic studies of seaports. Trudy Gidrav.lab.
VODGEO no.9:141-176 '62. (MIRA 15:11)
(Harbors) (Waves)

OFITSEROV, A.S., doktor tekhn.nauk

Determining the weight of blocks and rocks in the body of break-
waters and protective facings. Trudy Gidrav.lab.VODGEO no.9:5-37
'62. (MIRA 15:11)

(Hydraulic structures) (Building stones)

OFITSEROV, A.S., doktor tekhn.nauk

Problems concerning the interaction of waves with an inclined wall.
Izv.vys.ucheb.zav.; energ. 4 no.9:93-97 S '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya,
kanalizatsii, gidrotekhnicheskikh sooruzhniy i inzhenernoy
(Hydraulic structures) (Waves)

OFITSEROV, A.S., doktor tekhn nauk

Wave motion in viscous liquids. Izv. vys. ucheb. zav.; energ. 4
no.3:106-111 Mr '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya,
kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidro-
geologii. (Waves) (Liquids)